

Patent Abstracts of Japan

PUBLICATION NUMBER : 2003082117
PUBLICATION DATE : 19-03-03

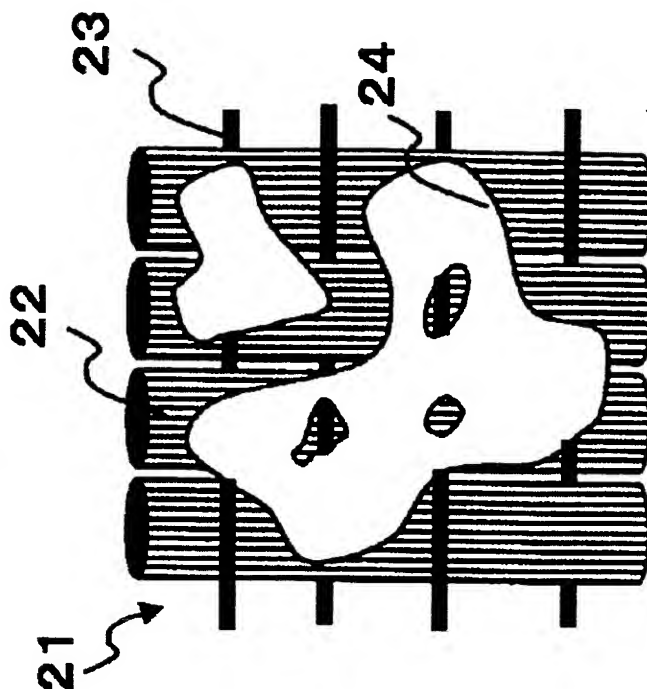
APPLICATION DATE : 26-04-02
APPLICATION NUMBER : 2002126065

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INT.CL. : C08J 5/04 D03D 1/00 D03D 15/12
D06M 15/53 D06M 15/55 D06M 15/59
D06M 15/63 D06M 17/08 // C08L101:00

TITLE : CARBON FIBER REINFORCEMENT,
AND PREFORM AND COMPOSITE
MATERIAL PREPARED THEREFROM



ABSTRACT : PROBLEM TO BE SOLVED: To provide a carbon fiber reinforcement which has an excellent handleability, can be easily impregnated with a resin, and can give a composite material with excellent mechanical properties in a high productivity; to obtain a preform prepared by laminating the same and a composite material prepared by impregnating the preform with a resin.

SOLUTION: The carbon fiber reinforcement 21 at least comprises a first resin 24 and a fabric prepared by using continuous carbon fibers 22. The carbon fibers have a tensile modulus of 210 GPa or higher and a fracture strain energy of 40 MJ/m³ or higher. The first resin in the range of 1-20 pts.wt. is adhered to the fabric of 100 pts.wt.

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